

THE TOOL COMPANY

LAMINATE TRIMMER

■ STOCK No.67044

■ PART No.LT600

• INSTRUCTIONS •

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS TOOL.



10/2001

GENERAL INFORMATION

This manual has been compiled by Draper Tools and is an integrated part of the power tool equipment, which should be kept with the machine.

This manual describes the purpose for which this tool has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation of the machine, before performing any kind of adjustment to the machine, and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both machine and operator safety, together with longer life of the tool itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the machine.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tool policy of continuous improvement determines the right to make modifications without prior warning.

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DECLARATION OF CONFORMITY

We

Draper Tools Ltd. Hursley Road, Chandler's Ford, Eastleigh, Hampshire.
SO53 1YF. England.

Declare under our sole responsibility that the product:

Stock Nos:- 67044.

Part Nos:- LT600.

Description:- Laminate Trimmer.

To which this declaration relates is in conformity with the following directive(s)
98/37/EC, 89/336/EEC & 73/23/EEC.



JOHN DRAPER
Managing Director

12/09/2001



SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Part No.	LT600
Stock No.	67044
Voltage	230V.
Input	600W
Cutter Capacity	28mmØ
Collet sizes	1/4", 6mm & 8mm
Speed (no load)	30,000rpm
Plunge stroke	22mm
Sound pressure level	84dB(A)
Sound power level	87dB(A)
Vibration level.....	1.5m/s ²
Weight	2.0kg

ALWAYS WEAR EAR AND EYE PROTECTION



GUARANTEE (Hand held professional electric power tools)

Draper hand held professional electric power tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the machine develop any fault where warranty applies, arrangements will be made for the tool to be returned free-of-charge to the Service Centre at Draper Tools Limited.

Please contact: **DRAPER HELPLINE – (023) 8049 4344**

A proof of purchase must be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship the product will be repaired and tested as soon as possible free of charge, normally within five working days. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted by any personnel other than the Service Centre at Draper Tools Limited or other authorised agent.

Note: If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.



Your Draper guarantee is not effective unless you produce a dated receipt or invoice to verify your proof of purchase within the 12 month period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

POWER SUPPLY

CONNECTING YOUR MACHINE TO THE POWER SUPPLY: (230V)

To eliminate the possibility of an electric shock your machine has been fitted with a BS approved, non rewirable moulded plug and cable which incorporates a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced an  approved BS1362 fuse must be used of the same rating, marked thus .

The fuse cover is detachable, never use the plug with the cover omitted. If a replacement fuse is required, ensure it is of the same colour as that visible on the pin face of the plug (i.e. red). Fuse covers are available from your Draper Tools stockist. If the fitted plug is not suitable, it should be cut off and destroyed. *The end of the cable should now be suitably prepared and the correct type of plug fitted. See below.

*WARNING:

A plug with bare flexible wires exposed is hazardous if engaged in a live power socket outlet.

WARNING: THIS APPLIANCE IS DOUBLE INSULATED.

Blue – Neutral, Brown – Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red or brown.

Ampere rating (on Name plate)	3	6	10	13
Extension cable length	Wire Size mm ²			
7.5m	0.75	0.75	1.0	1.25
15m	0.75	0.75	1.0	1.5
22.5	0.75	0.75	1.0	1.5
30M	0.75	0.75	1.25	1.5
45M	0.75	0.75	1.5	2.5



GENERAL SAFETY INSTRUCTIONS FOR POWER TOOLS

WARNING

Please read the following instructions carefully, failure to do so could lead to serious personal injury. When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.

IMPORTANT

Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

1. KNOW YOUR POWER TOOL

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

2. KEEP WORK AREA CLEAN

Cluttered areas and benches invite accidents. Floors must not be slippery due to oil or sawdust.

3. AVOID DANGEROUS ENVIRONMENTS

Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere.

4. KEEP CHILDREN AWAY

All visitors should be kept a safe distance from work area.

5. STORED TOOLS

When not being used, all tools should be stored in a dry, locked cupboard or out of the reach of children.

6. WEAR PROPER CLOTHING

Do not wear loose clothing, neckties or jewellery (rings, wristwatches) to catch in moving parts. NONSLIP footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves above the elbow.

7. USE SAFETY GOGGLES (Head Protection)

Wear CE approved safety goggles at all times. Normal spectacles only have impact resistant lenses, they are NOT safety glasses. Also, use face or dust mask if application is dusty and ear protectors (plugs or muffs) during extended periods of operation.

8. NOISE LEVELS

Some types of machines may have high noise levels when working. In such cases ear protection must be worn.

9. VIBRATION LEVELS

Hand held power tools produce different vibration levels. You should always refer to the specifications and relevant Health and Safety guide.

10. DUST EXTRACTION

If your tool is fitted with a dust extraction fitting, always ensure that it is connected and being used with a dust extractor. Vacuum cleaners can be used if suitable for the material being extracted.

11. PROTECT YOURSELF FROM ELECTRIC SHOCK

When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). If you are using a power tool in extreme conditions (e.g. high humidity or generating metal dust), always use an RCD (residual current device) at the power socket.

12. STAY ALERT

Always watch what you are doing and use common sense. Do not operate a power tool when you are tired or under the influence of alcohol or drugs.

13. WHEN WORKING OUT OF DOORS

Only use extension leads designed for that purpose.

14. ACCESS TO MAINS SOCKET

If a stationary machine is fitted with a moulded plug and cable, the machine should not be positioned so that access to the mains socket is restricted.

15. DISCONNECT POWER TO THE TOOL

When not in use, before servicing and when changing accessories such as cutters, etc.

16. AVOID ACCIDENTAL STARTING

Make sure the switch is in the OFF position before plugging the machine into the power supply.

17. NEVER LEAVE MACHINE RUNNING UNATTENDED

Turn power off. Do not leave machine until it comes to a complete stop.

18. DO NOT ABUSE THE CORD

Never carry the tool by the power cable or pull it from the socket. Keep the power cable away from heat, oil and sharp edges.

19. NEVER STAND ON TOOL

Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted. Do not store materials above or near the tool, so that it is necessary to stand on the tool to reach them.

20. CHECK DAMAGED PARTS

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.

21. KEEP GUARDS IN PLACE

And in working order.

22. MAINTAIN TOOLS WITH CARE

Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories. All extension cables must be checked at regular intervals and replaced if damaged. Always keep the hand grips on the tool clean, dry and free of oil and grease.

23. USE RECOMMENDED ACCESSORIES

Consult the owners manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.

24. REMOVE ADJUSTING KEYS AND WRENCHES

Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

25. SECURE WORK

Use clamps or a vice to hold work. This frees both hands to operate the tool.

26. DO NOT OVERREACH

Keep proper footing and balance at all times.

27. USE RIGHT TOOL

Do not force the tool or attachment to do a job for which it was not designed.

28. DO NOT FORCE TOOL

It will do the job better and safer at the rate for which it was designed.

29. DIRECTION OF FEED

Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

30. WHEN DRILLING OR SCREWING INTO WALLS

Always make sure there is no danger of hitting any hidden power cables, water or gas pipes in the wall.

31. HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON

This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

IMPORTANT NOTE

Residual Risk. Although the safety instructions and operating manuals for our tools contain extensive instructions on safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution !

GETTING TO KNOW YOUR LAMINATE TRIMMER

Fig.2.

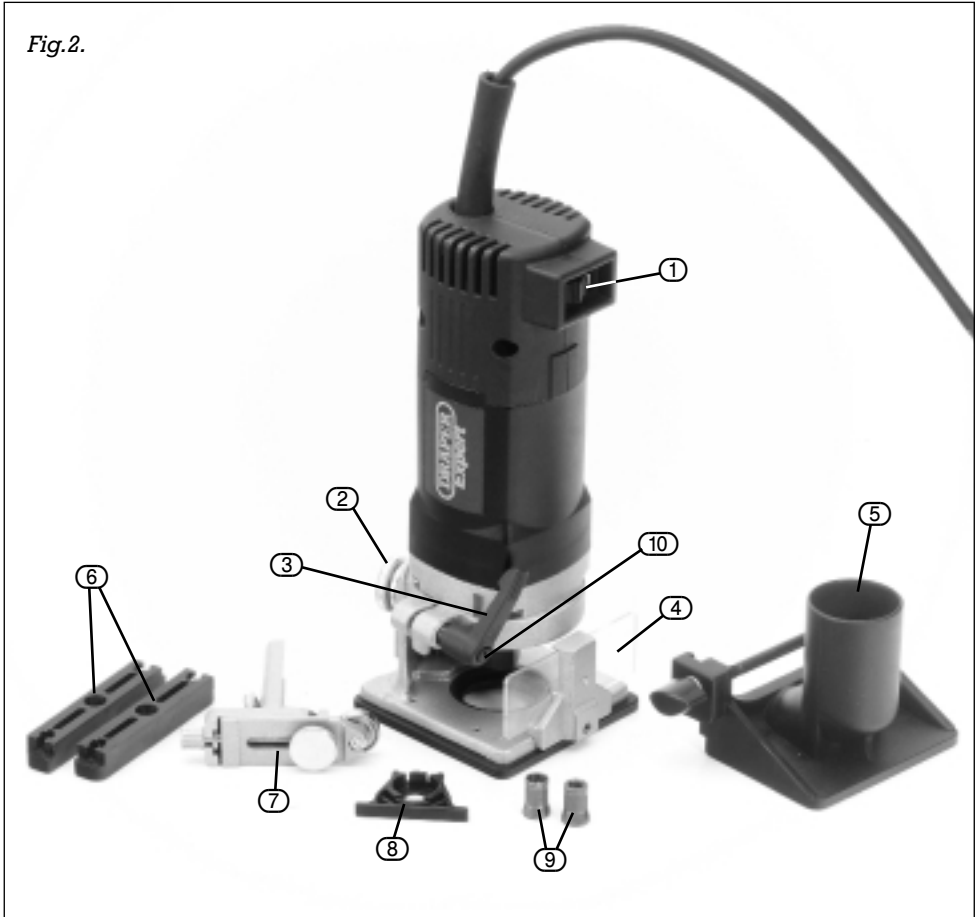


Fig.1.

- | | |
|--------------------------------|----------------------|
| 1. On/off switch | 6. Bridge adaptors |
| 2. Height adjustment lock knob | 7. Edge follower |
| 3. Motor clamp | 8. Flat edge adaptor |
| 4. Chip guard | 9. Collets |
| 5. Dust extraction port | 10. Collet nut |

OPERATION & USE

NOTE: Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

REMOVING THE BASE (Fig.2.):

Loosen the clamping lever (A) to remove the base.

NOTE: When refitting the base, ensure the on/off switch is positioned the same side as the chip guard.

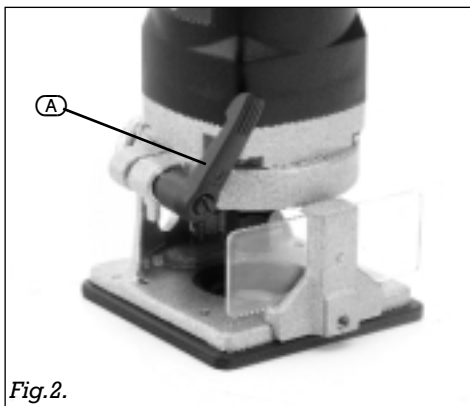


Fig.2.

INSERTING THE BITS (Fig.3 & 4.):

NOTE: Only use cutters of the correct shank diameter and which are suitable for the speed of the tool.

With the base removed, press the spindle lock (B). Unscrew the spindle nut (C) and remove. Choose from the three collets provided, the appropriate size for the cutters shank $\frac{1}{4}$ ", 6mm and 8mm. If the size is not known insert the bit into the collet. The collet which offers a machine fit to the bit is the correct one to use. Do **NOT** force the bit into a collet.

Place the collet into the spindle and loosely replace the nut. Slide in the bit allowing approx. 5 - 10mm (or follow the bit manufacturers instructions) over hang and tighten the nut.

NOTE: Do not overtighten the nut.

WARNING: Take care when handling the cutter bits as they are extremely sharp.

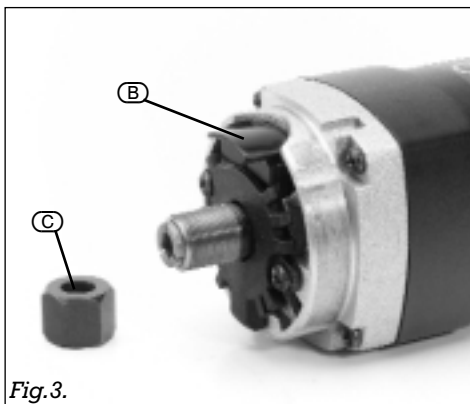


Fig.3.

Cutter shown not supplied.

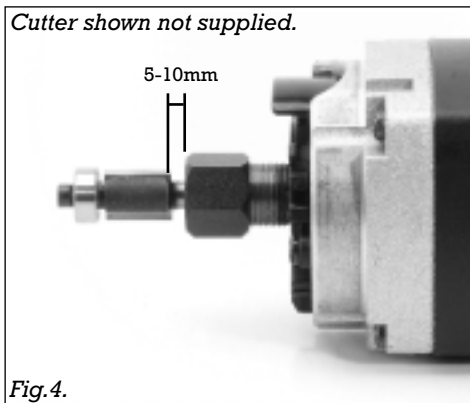


Fig.4.

OPERATION & USE

FITTING THE DUST EXTRACTION PORT

(Fig.5-7.):

NOTE: Due to particular setups it is not always possible to use the trimmer with dust extraction. When this arises it is recommended, the trimmer be operated for short periods to reduce the airborne dust particles and appropriate personal protective equipment be used.

When trimming without the edge follower/guide:

Slide the extraction port (D) over the base edges (E). Ensure no part of the port will come into contact with the revolving cutter. Tighten (F) to lock in place.

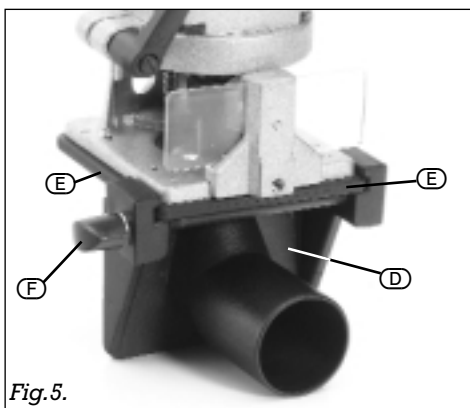


Fig.5.

When trimming flat surfaces using the bridge adaptor:

Insert nut (G) into slot (H) and fit the adaptor to the base (see page 8) with the adaptor loosely fitted to allow adjustment and using the two smaller screws (I) provided, fix the extraction port so it follows the cutter.

NOTE: It may be necessary to remove the long bolt (J) to allow better fitment of the dust port to the base. It is recommended to use an adequate size vacuum cleaner to remove the airborne dust particles (Draper Stock No.64674) in addition to a face mask. Pay particular attention to the material being cut.

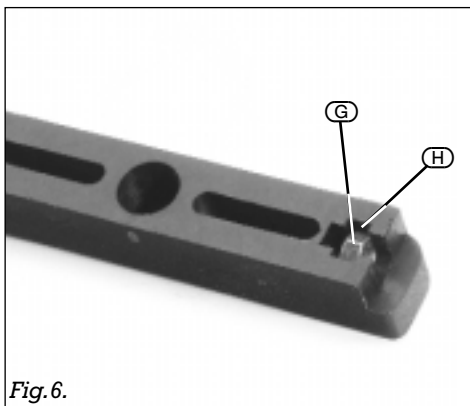


Fig.6.

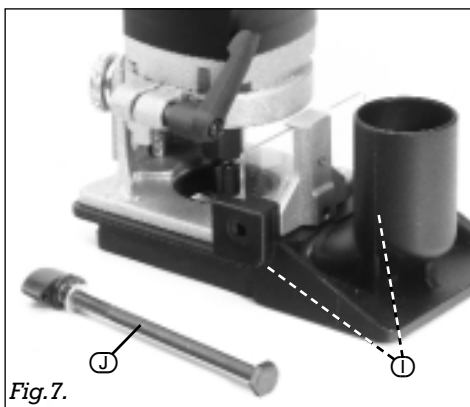


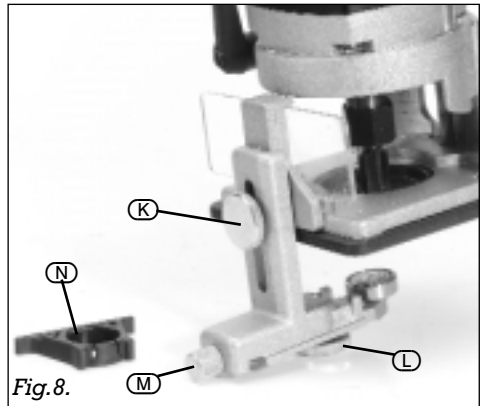
Fig.7.

OPERATION & USE

FITTING THE EDGE GUIDE (Fig.8.):

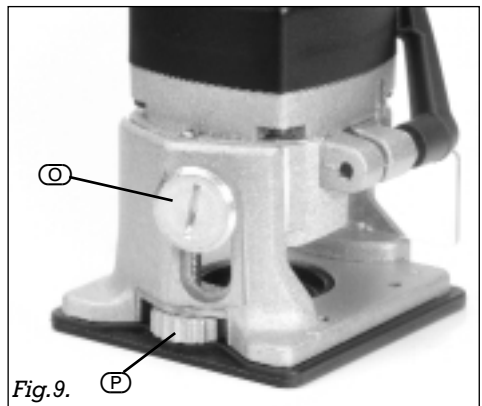
Screw the bracket to the base using the knob (K). When the correct height has been set, lock in place. To adjust the distance between the cutter and the edge, loosen (L) and use fine adjuster (M). When this has been set, lock by tightening (L).

The bearing will trace both curves and straight edges. When working purely with straight edges, it may be more beneficial to clip (N) over the bearing.



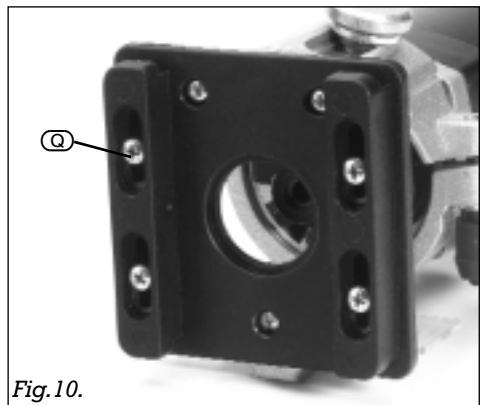
ADJUSTING THE HEIGHT (Fig.9.):

To set the height of the cutter, loosen (O). Turning the knurled nut (P) increases or decreases the height. When set, lock (O).



FITTING THE BRIDGE ADAPTOR (Fig.10.):

Using the four screws (Q) provided, fix the adaptors along the base underside. Ensure that both adaptors are symmetrical. These can be used when creating laminate inlays and when trimming protrusions on a flat surface.



OPERATION & USE

ON/OFF SWITCH (Fig.11.):

To switch the trimmer 'on' slide the switch across to the right.

To switch the trimmer 'off' slide the switch back to the left.

Ensure the switch is in the 'off' position before plugging the trimmer in.



Fig.11.

DIRECTION OF USE (Fig.12.):

The laminate trimmer, when viewed from above rotates clockwise. As this is the case the user must position the trimmer with the on/off switch closest, and pull the tool from left to right, so the rotating cutter bites into the workpiece.

NOTE: Always use the edge guide when using cutters without a follower ball bearing.

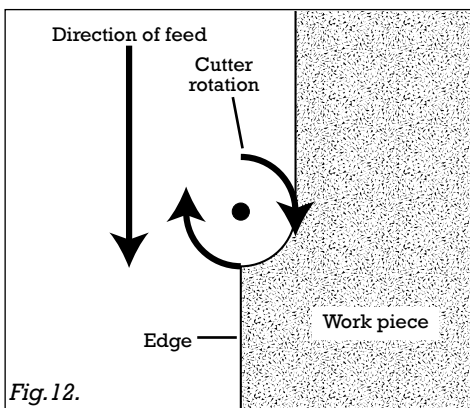


Fig.12.

MAINTENANCE AND PARTS REPLACEMENT

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool in good working condition. The tool bearings are life-long lubricated. The motor must be correctly ventilated during tool operation. For this reason avoid blocking the air inlets with hands. After use disconnect the tool from the power supply and clean carefully, use compressed air through the ventilation slots.

DISPOSAL

At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to the standard regulations of the country in which it is being used, and that the disposal operation is carried out by specialized personnel following authorized guidelines. In all circumstances:

- Do not abandon in the environment;
- Do not dispose of together with solid urban waste products;
- Contact the special recycling centres.

WARNING – Disconnect the plug from the power supply socket before replacing any parts.

BRUSHES

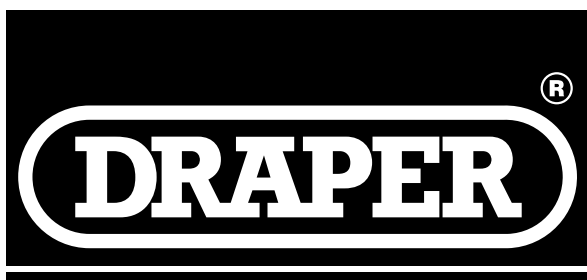
The brushes must be replaced after approximately 150-200 working hours, or if they are less than 5-6mm in length.

WARNING – For correct tool operation always change the brushes in pairs, not separately. The use of original Draper Tool spare parts is recommended. After having fitted new brushes run the motor without load for at least five minutes for the brushes to bed in.

IMPORTANT – This operation should only be performed by an authorized person.

REPLACING THE POWER SUPPLY CABLE

Check that the power supply cable is in good condition, if not have it replaced by an authorized person.



THE TOOL COMPANY

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YOUR DRAPER STOCKIST

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